

OM NAIK

PUNE, INDIA

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Education

JSPM's Rajarshi Shahu College of Engineering (RSCOE), Pune

2020 - 2024

➤ B. Tech - Electrical Engineering | CGPA: 9.30

Government Polytechnic Pune (GPP)

2017 - 2020

➤ Diploma - Electrical Engineering | Percentage: 75.00%

S.P.M. School, Pune

2016 - 2017

➤ MSBSHSE (Class X) | Percentage: 87.60%

Skills

Python | HTML | CSS | JavaScript | Bootstrap | Tailwind CSS | GitHub | AutoCAD | MATLAB | PLC | Microsoft 365

Experience

Internpe | Frontend Web Development Intern

Jul'23 - Aug'23

- Developed responsive, user-friendly web interfaces during an online internship, enhancing the user experience. Implemented best practices for web development, mastering code quality, performance, and accessibility standards.
[<https://om-naik.github.io/Apple-Vision-Pro-Clone/>]

Mithsagar Electronics Systems Pvt. Ltd. | Intern

Jul'22 - Aug'22

- Collaborated closely with senior engineers, gaining insights into the intricacies of control panel circuitry and electrical systems.
- Contributed to the engineering team's design and assembly of control panels, ensuring precision and functionality.

Projects

Passive Cell Balancing using Proportional Integral (PI) Controller

Aug'23 - May'24

- Develop a passive cell balancing system for batteries using a Proportional-Integral (PI) controller to enhance the performance and lifespan of battery packs.
 - Designed and simulated the PI controller, conducted experiments, and optimized controller parameters for effective balancing.
 - Enhanced battery pack performance and lifespan through effective passive cell balancing.

Digitalization of RSCOE campus

Feb'23 - May'23

- Designed and developed a responsive website to assist new visitors in navigating the college campus seamlessly.
[<https://om-naik.github.io/jspmrscoe-building-c.github.io/>]
 - Implemented a QR Code scanning feature for quick access to the website, enhancing user convenience.
 - Integrated interactive maps and provided precise directions to essential locations such as the principal's office, Library, HOD's cabins, Labs, and Classrooms.
 - Included actual images of each location, enhancing the user experience and providing visual cues for easy identification.

Electric Vehicle (Diploma)

Nov'19 - Sep'20

- Led a pioneering project to convert a traditional diesel car into a fully functional electric vehicle (EV), showcasing a commitment to sustainable transportation solutions.
 - Conducted a comprehensive analysis of the existing diesel vehicle's architecture, identifying components for replacement and modification to accommodate electric power.
 - Integrated electric motors, battery packs, and a sophisticated control system to ensure seamless transition and optimal performance.

Achievements

- 1st rank in the Department during the 1st year of B.Tech studies.
- 3rd rank in the Department during the 2nd year of B.Tech studies.

Certifications

- Udemy HTML, CSS & JavaScript Certification course for Beginners.
- NPTEL Power System Protection and Switchgear (84.0 / 100.0).

Co-Curricular & Extra-Curricular Activities

- Participate in the Electrical Department's Project competition.
- Secretary of the "EV Club" at JSPM's RSCOE.
- Member of the Decoration Team of "TECHNOTSAV-2k23" at JSPM's RSCOE.

Hobbies

- Cooking, Drawing, Traveling, Learning, and exploring new things.